

OIPE

RAW SEQUENCE LISTING

DATE: 06/19/2001

PATENT APPLICATION: US/09/755,016

TIME: 12:22:03

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\06192001\I755016.raw

ENTERED

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4 <110> APPLICANT: Walke, D. Wade
5     Wilganowski, Nathaniel L.
6     Denoho, Gregory
7     Turner, C. Alexander Jr.
9 <120> TITLE OF INVENTION: Novel Human Proteases and Polynucleotides Encoding the Same
11 <130> FILE REFERENCE: LEX-0114-USA
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/755,016
C--> 13 <141> CURRENT FILING DATE: 2001-06-01
13 <150> PRIOR APPLICATION NUMBER: US 60/174,686
14 <151> PRIOR FILING DATE: 2000-01-06
16 <160> NUMBER OF SEQ ID NOS: 7
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 654
22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapien
25 <400> SEQUENCE: 1
26 atgtggacag ctgtgattgq aactaataat atacatggac gctatcctca taccaagaag      60
27 ataaaaatta aagcaatcat tattcatcca aacttcattt tggaaatctta tqtaaatgat      120
28 attgcacttt ttcacttaaa aaaagcagtg aggtataatg actataatca gctatatttc      180
29 ctactttttg atgttttcca aatcctggac ggaacacaaa agtgttttat aaqtggcttg      240
30 ggaagaacaa aagaagaagg taacgtaca aatattttac aaqatgcaga aqtgcattat      300
31 atttctcgag agatgtgtaa ttctgaqaqg aqttatqggg gaataattcc taacacttca      360
32 ttttgtgcag qtgtatgaqa tggagctttt gatacttga qgggtgacag tgggggacca      420
33 ttaatgtget acttaccaga atataaaaqa ttttttgtaa tgggaattac cagttacgga      480
34 catgqctgtg qtcgaagaqg ttttctggtt gtcctatatt ggcctatctt ctacccaaaq      540
35 tgggtgacag agcattttct ccatacgaag actcaagga tacttaactat aaatatttta      600
36 cgtggccaga tctctatagc tttatgtttt gtcactttac taccagaagc ataa      654
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 217
40 <212> TYPE: PRO
41 <213> ORGANISM: Homo sapien
43 <400> SEQUENCE: 2
44 Met Trp Thr Ala Val Ile Gly Thr Asn Asn Ile His Gly Arg Tyr Pro
45 1           5           10           15
46 His Thr Lys Lys Ile Lys Ile Lys Ala Ile Ile Ile His Pro Asn Phe
47           20           25           30
48 Ile Leu Glu Ser Tyr Val Asp Ser Ile Ala Leu Ile His Thr Tyr

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[illegible]

73 - 210 - SEQ 1D NO: 3

74 2115 LENGTH: 1047

75 (212) TYPE: DNA

76-213- ORGANISM: Homo sapien

78 : 400: SEQUENCE: 3

70	atgaggetag	ggctccag	cgtggcgytg	tgttttgtg	ggagctctca	cttayactca	60
79	gacaccta	cgccctctgg	aaggcacagg	ctcgccct	cgccggaacc	gggggtagt	120
81	ccacagcag	ctgagcgct	ccgcaagagg	ctccggcggc	ggagggagg	aggggcgat	180
82	gcaaaagatt	gtggaacagc	accgctaaag	gatgtgttgc	aagggtctcg	gatttatagg	240
83	ggcacggaag	cacaagctgg	cgcatggcg	tgggtggtga	gctgcagat	taaatatgjc	300
84	cgtgtctctg	ttcatgtatg	tgggggaacc	ctagtgaag	agaggtgggt	cctcacagct	360
85	gcccactgca	ctaaagacrc	tagcgatcct	ttaatgtgga	cagctgtgat	tggaaactaat	420
86	aatafacatg	gacgctatcc	tcataccaag	aagataaaaa	ttaaagcaat	cattattcat	480
87	ccaaaectca	ttttggaatc	ttatgtaaat	gatatggcac	tttttcaact	aaaaaaagca	540
88	gtgaagtata	atgaactatat	tcagcctatt	tgcctacctt	ttgatgtttt	ccaaatcctg	600
89	gacggaaaca	caaaagtgtt	tataagtgcc	tggggaagaa	caaaagaaga	aggtaacgct	660
90	acaaatattt	tacaagatgc	agaagtgcac	tatatttctc	gagagatgtg	taattctgaq	720
91	aggaattatg	qqqqaataat	tcccaacact	tcattttctg	caaggtgatqa	agatqgaqct	780
92	tttgataactt	gcaggggtga	cagtgppppa	ccattaatgt	gctacttacc	agaaatataa	840
93	agattttttg	taattgggaat	taccagttac	qqacatggct	gtggttcgaag	agatttttct	900
94	ggtgtctata	tggggcattc	ctttacaaa	aagtgppgtga	caagagattt	cttccatcca	960
95	aggaactcag	gcataactac	tataataatt	ttacgtgggc	agatccatcat	aggttttatct	1020
96	tttatcatct	tactacgaac	aacataat				1047

08 - 2107 SEQ ID NO: 4

99 - 211> LENGTH: 348

100 <212> TYPE: PRT

101 + 213 + ORGANISM Homo sapien

103 : 400 : SEQUENCE: 4

104 Met Arg Leu Gly Leu Leu Ser Val Asp Lys Tyr Phe Thr Val Asn Ile

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111      50      55      60
112 Gly Thr Ala Pro Leu Lys Asp Val Leu Gln Gly Ser Arg Ile Ile Gly
113 65      70      75      80
114 Gly Thr Glu Ala Gln Ala Gly Ala Trp Pro Trp Val Val Ser Leu Gln
115      85      90      95
116 Ile Lys Tyr Gly Arg Val Leu Val His Val Cys Gly Gly Thr Leu Val
117      100      105      110
118 Arg Glu Arg Trp Val Leu Thr Ala Ala His Cys Thr Lys Asp Ala Ser
119      115      120      125
120 Asp Pro Leu Met Trp Thr Ala Val Ile Gly Thr Asn Asn Ile His Gly
121      130      135      140
122 Arg Tyr Pro His Thr Lys Lys Ile Lys Ile Lys Ala Ile Ile Ile His
123 145      150      155      160
124 Pro Asn Phe Ile Leu Glu Ser Tyr Val Asn Asp Ile Ala Leu Phe His
125      165      170      175
126 Leu Lys Lys Ala Val Arg Tyr Asn Asp Tyr Ile Gln Pro Ile Cys Leu
127      180      185      190
128 Pro Phe Asp Val Phe Gln Ile Leu Asp Gly Asn Thr Lys Cys Phe Ile
129      195      200      205
130 Ser Gly Trp Gly Arg Thr Lys Glu Glu Gly Asn Ala Thr Asn Ile Leu
131      210      215      220
132 Gln Asp Ala Glu Val His Tyr Ile Ser Arg Glu Met Cys Asn Ser Glu
133 225      230      235      240
134 Arg Ser Tyr Gly Gly Ile Ile Pro Asn Thr Ser Phe Cys Ala Gly Asp
135      245      250      255
136 Glu Asp Gly Ala Phe Asp Thr Cys Arg Gly Asp Ser Gly Gly Pro Leu
137      260      265      270
138 Met Cys Tyr Leu Pro Glu Tyr Lys Arg Phe Phe Val Met Gly Ile Thr
139      275      280      285
140 Ser Tyr Gly His Gly Cys Gly Arg Arg Gly Phe Pro Gly Val Tyr Ile
141      290      295      300
142 Gly Pro Ser Phe Tyr Gln Lys Trp Leu Thr Glu His Phe Phe His Ala
143 305      310      315      320
144 Ser Thr Gln Gly Ile Leu Thr Ile Asn Ile Leu Arg Gly Gln Ile Leu
145      325      330      335
146 Ile Ala Leu Cys Phe Val Ile Leu Leu Ala Thr Thr
147      340      345
149 <210> SEQ ID NO: 5
150 <211> LENGTH 867
151 <212> TYPE: DNA
152 <213> ORGANISM: Homo sapien
153 <400> SEQUENCE: 5
155 atgcacaaatt atgcacacac agcgtttttt attttttttt cttttttttt

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162 gacggaacaca caaaqgtgtt tataaqtggc tggggaagaa caaaagaaga aggtaacgct 480
163 acaaatattt tacaagatgc agaagtgcat tataattctc gagaatgtg taattctgaq 540
164 aggaattatg ggggaataat tectaactc tcattttgtg caggtgatga agatggaet 600
165 ttgtatactt gcaggggtga cagtggggga ccattaatgt gctacttacc aqaatataaa 660
166 agattttttg taatgggaat taccagttac gqacatggct gtggtcgaag aggttttcc 720
167 ggtgtctata ttggggcacc cttctaccaa aaqtggctga cagagcatit cttccatgca 780
168 agcactcaag gcatacttacc tataaatatt ttacgtggcc agatcccat agttttatgt 840
169 ttgtcatct tactagcaac aacataa 867

171 <210> SEQ ID NO: 6
172 <211> LENGTH: 288
173 <212> TYPE: PRF
174 <213> ORGANISM: Homo sapien
176 <400> SEQUENCE: 6
177 Met Gln Asn Cys Gly Thr Ala Pro Leu Lys Asp Val Leu Gln Gly Ser
178 1 5 10 15
179 Arg Ile Ile Gly Gly Thr Glu Ala Gln Ala Gly Ala Trp Pro Trp Val
180 20 25 30
181 Val Ser Leu Gln Ile Lys Tyr Gly Arg Val Leu Val His Val Cys Gly
182 35 40 45
183 Gly Thr Leu Val Arg Glu Arg Trp Val Leu Thr Ala Ala His Cys Thr
184 50 55 60
185 Lys Asp Ala Ser Asp Pro Leu Met Trp Thr Ala Val Ile Gly Thr Asn
186 65 70 75 80
187 Asn Ile His Gly Arg Tyr Pro His Thr Lys Lys Ile Lys Ile Lys Ala
188 85 90 95
189 Ile Ile Ile His Pro Asn Phe Ile Leu Glu Ser Tyr Val Asn Asp Ile
190 100 105 110
191 Ala Leu Phe His Leu Lys Lys Ala Val Arg Tyr Asn Asp Tyr Ile Gln
192 115 120 125
193 Pro Ile Cys Leu Pro Phe Asp Val Phe Gln Ile Leu Asp Gly Asn Thr
194 130 135 140
195 Lys Cys Phe Ile Ser Gly Trp Gly Arg Thr Lys Glu Glu Gly Asn Ala
196 145 150 155 160
197 Thr Asn Ile Leu Gln Asp Ala Glu Val His Thr Ile Ser Arg Glu Met
198 165 170 175
199 Cys Asn Ser Gln Arg Ser Tyr Gly Gly Ile Ile Pro Asn Thr Ser Phe
200 180 185 190
201 Cys Ala Gly Asp Glu Asp Gly Ala Phe Asp Thr Cys Arg Gly Asp Ser
202 195 200 205
203 Gly Gly Pro Leu Met Cys Tyr Leu Pro Glu Tyr Lys Arg Phe Phe Val
204 210 215 220
205 Met Gly Ile Thr Ser Tyr Gly His Gly Cys Gly Arg Arg Gly Phe Pro
206 225 230

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Input Set : A:\Seqlist.txt

Output Set : N:\CRF3\06192001\I755016.raw

214 <210> SEQ ID NO: 7

215 <211> LENGTH: 1286

216 <212> TYPE: DNA

217 <213> ORGANISM: Homo sapien

219 <400> SEQUENCE: 7

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220 ttcttccatt tcaggtgtcg tgaaaaagctt gaattccggc cccagatatt caacagtccc      60
221 aaggggctcg ctccgcgccg tcttgcctac cagcctccaa aatgcggctg qggtctctga      120
222 ggttggcgtt gttgtttgtg qggagctctc acttatactc agaccactac tgcacctctg      180
223 gaaggcacag gctcggcccc tcgccggaac cggcggctag ttcccagcag gctgagggcg      240
224 tccgcaagag cctccggcgg cggaggggag gaggggggcg tgcgaagcat tctgggaacg      300
225 caacgcttaa ggaatgtttg caaggtctct gatttatagg gggcacccga gccaaagctg      360
226 ggcgatggcc gtgggtgggt agcctgcaga ttaaatatgg ccgtgttctt gttcatgtat      420
227 gtgggggaac cctagtgaga gagggtggg tctcaccagg tgcacctgc actaaagacg      480
228 ctagcgatcc tttaatgtgg acagctgtga ttggaactaa taatatatat ggaacctatc      540
229 ctcataccaa gaagataaaa attaaa-gca tctattttca tccaaacttc attttggaat      600
230 cttatgtaaa tgatattgca ctttttcact taaaaaaagg agtgaggtat aatgactata      660
231 ttacgcttat ttgcctacct tttgatgttt tccaaatcct ggacggaaac acaaaagtgt      720
232 ttataagtgg ctgggggaaga acaaaagaag aaggtaacgc tacaatatat ttacaagatg      780
233 cagaagtgca ttatatttct cagagatgtt gtaattctga gaggagtat qgggggaata      840
234 ttcctaacac ttcattttgt gcaggtgatg aagatggagc ttttgatact tgcagggggt      900
235 acagtgqqqq accattaatg tgcacttac cagaatataa aagatttttt gtaatgggaa      960
236 ttaccagtta cggacatggc tgtggtcgaa gaggttttcc tgggtcttat attgqqccat      1020
237 cttctacca aaagtggctg acagagcatt tcttccatgc aagcactcaa ggcatactta      1080
238 ctataaatat ttaagtggc cagatcctca tagctttatg tttgtcact ttaactagca      1140
239 caacataaag aaattctgaa qcctttcata tctttatitt gcatttgtgc cctttctatg      1200
240 ttctatataa tgaacatcat ttattcttct agcaattaat tgcctacatt agagatttca      1260
241 tgtgaacatt ttatgggcta taaata

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/755,016

DATE: 06/19/2001

TIME: 12:22:04

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\06192001\I755016.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date